KEYSTONE FIGURE 634/635/637 AND 638 SLURRY VALVES
MATERIAL SPECIFICATIONS

Technical specifications for 431 stainless steel

Technical material specifications	
Trim number	H
Formula number	EM-C1-8
Brinell hardness	262
Tensile strength (Typ)	880 MPa
Yield strength (Typ)	630 MPa
Elongation % in 2 inches (Typ)	18
Suitable for	Excellent to a wide variety of corrosive media. Good resistance to salt water
Not suitable for	High corrosive applications
Product usage	F634, F635, F637 and F638 shafts, upper/lower inserts, gland follower collar
Size range	DN 40 - 600
General notes	431 S/S is a hardened martensitic stainless steel particularly suited for use in shafts etc. where high tensile and torque properties are required with moderate corrosion resistance. The general corrosion resistance of 431 is the best of the martensitic stainless steels
Typical standard	ASTM A276 431 Condition A